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PATENT
Dock t No.: 1743/134

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT :
SERIAL NO. : 09/353552
FILING DATE : July 14, 1999
FOR : DISTRIBUTED CONTROL SYSTEM AND FILTERING
METHOD USED IN THE DISTRIBUTED CONTROL SYSTEM

Commissioner of Patents and Trademarks
Washington D.C. 20231

ASSOCIATE POWER OF ATTORNEY

Sir:

Please recognize John C. Altmiller, (Reg. No. 25,951) and other registered practitioners of Kenyon & Kenyon included in the Customer Number provided below, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

CUSTOMER NUMBER: 23838

Respectfully submitted,

Date November 6, 2000

Edward W. Greason
Edward W. Greason
Reg. No. 18,918

KENYON & KENYON
One Broadway
New York, NY 10004
(212) 425-7200 (telephone)

| DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION | | | | ATTORNEY'S DOCKET NO. 1743 / 134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-------------------------------------|--|--|---------|--------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------|-----------|------------|--|---|--|--|--|--|--|-----------------|-----------------------------------|---|--|--|--|--|--|--|--|--|--|---|---|
| <p>As a below named inventor, I hereby declare that:</p> <p>My residence, post office address and citizenship are as stated below next to my name.</p> <p>I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled <u>DISTRIBUTED CONTROL SYSTEM AND FILTERING METHOD USED IN THE DISTRIBUTED CONTROL SYSTEM</u> the specification of which (check one)</p> <p><u>X</u> is attached hereto.</p> <p>_____ was filed on _____ as Application Serial No. _____ and was amended on _____ (if applicable).</p> <p>I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).</p> <p>I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:</p> <p style="text-align: center;"><u>PRIOR FOREIGN APPLICATION(S)</u></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">COUNTRY</th> <th style="width: 25%;">APPLICATION NUMBER</th> <th style="width: 20%;">DATE OF FILING (day, month, year)</th> <th style="width: 20%;">DATE OF ISSUE (day, month, year)</th> <th style="width: 10%;">PRIORITY CLAIMED UNDER 35 USC 119</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Japan</td> <td style="text-align: center;">10-200063</td> <td style="text-align: center;">15/07/1998</td> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;"><input type="checkbox"/> YES <input type="checkbox"/> NO</td> </tr> </tbody> </table> <p>I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">APPLICATION NO.</th> <th style="width: 40%;">FILING DATE (day, month, year)</th> <th style="width: 35%;">STATUS (i.e. Patented, Pending, Abandoned)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)</p> <p style="text-align: center; margin-top: 10px;">Edward W. Greason, Esq. Reg. No. 18,918</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 60%; padding: 5px; vertical-align: top;"> SEND CORRESPONDENCE TO: <div style="text-align: center; margin-top: 20px;"> KENYON & KENYON One Broadway New York, New York 10004 </div> </td> <td style="width: 40%; padding: 5px; vertical-align: top;"> DIRECT TELEPHONE CALLS TO: <i>(name and telephone number)</i> <div style="text-align: center; margin-top: 20px;"> Edward W. Greason (212) 425-7200 X108 </div> </td> </tr> </table> | | | | | | COUNTRY | APPLICATION NUMBER | DATE OF FILING (day, month, year) | DATE OF ISSUE (day, month, year) | PRIORITY CLAIMED UNDER 35 USC 119 | Japan | 10-200063 | 15/07/1998 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | APPLICATION NO. | FILING DATE (day, month, year) | STATUS (i.e. Patented, Pending, Abandoned) | | | | | | | | | | SEND CORRESPONDENCE TO: <div style="text-align: center; margin-top: 20px;"> KENYON & KENYON One Broadway New York, New York 10004 </div> | DIRECT TELEPHONE CALLS TO: <i>(name and telephone number)</i> <div style="text-align: center; margin-top: 20px;"> Edward W. Greason (212) 425-7200 X108 </div> |
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| Japan | 10-200063 | 15/07/1998 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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(continued)

Express Mail # 039759826US

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|-----|-------------------------|--|-----------------------------------|---------------------------------|
| 201 | FULL NAME OF INVENTOR | FAMILY NAME Ohashi | FIRST GIVEN NAME Masahiro | SECOND GIVEN NAME - |
| | RESIDENCE & CITIZENSHIP | CITY Hitachinaka-shi | STATE OR FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS Hitachi Wing 202, 11-1, Aoba-cho, Hitachinaka-shi, Ibaraki 312-0056, Japan | CITY | STATE & ZIP CODE/COUNTRY |
| 202 | FULL NAME OF INVENTOR | FAMILY NAME Aizono | FIRST GIVEN NAME Takeiki | SECOND GIVEN NAME - |
| | RESIDENCE & CITIZENSHIP | CITY Kawasaki-shi | STATE OR FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS Berumezon Kakio 303, 432, Kamiasao, Asao-ku, Kawasaki-shi, Kanagawa 215-002 Japan | CITY | STATE & ZIP CODE/COUNTRY |
| 203 | FULL NAME OF INVENTOR | FAMILY NAME Fujii | FIRST GIVEN NAME Dai | SECOND GIVEN NAME - |
| | RESIDENCE & CITIZENSHIP | CITY Hitachi-shi | STATE OR FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS Onuma-ryo 1503, 20-1, Higashikanesawa-cho 5-chome, Hitachi-shi, Ibaraki 316-0014, Japan | CITY | STATE & ZIP CODE/COUNTRY |
| 204 | FULL NAME OF INVENTOR | FAMILY NAME Tanaka | FIRST GIVEN NAME Hiroyuki | SECOND GIVEN NAME - |
| | RESIDENCE & CITIZENSHIP | CITY Mito-shi | STATE OR FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 5-41, Midori-cho 3-chome, Mito-shi, Ibaraki 310-0034, Japan | CITY | STATE & ZIP CODE/COUNTRY |
| 205 | FULL NAME OF INVENTOR | FAMILY NAME Kogure | FIRST GIVEN NAME Makoto | SECOND GIVEN NAME - |
| | RESIDENCE & CITIZENSHIP | CITY Hitachinaka-shi | STATE OR FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 397-3, Ichige, Hitachinaka-shi, Ibaraki 312-0033, Japan | CITY | STATE & ZIP CODE/COUNTRY |
| 206 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | CITY | STATE & ZIP CODE/COUNTRY |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|---|--|---|
| SIGNATURE OF INVENTOR 201 <i>Masahiro Ohashi</i> | SIGNATURE OF INVENTOR 202 <i>Takeiki Aizono</i> | SIGNATURE OF INVENTOR 203 <i>Dai Fujii</i> |
| DATE July 1, 1999 | DATE July 1, 1999 | DATE July 1, 1999 |
| SIGNATURE OF INVENTOR 204 <i>Hiroyuki Tanaka</i> | SIGNATURE OF INVENTOR 205 <i>Makoto Kogure</i> | SIGNATURE OF INVENTOR 206 |
| DATE July 1, 1999 | DATE July 1, 1999 | DATE |



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

353,552
SEPTEMBER 23, 1999

PTAS

KENYON & KENYON
EDWARD W. GREASON
ONE BROADWAY
NEW YORK, NY 10004



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/14/1999

REEL/FRAME: 010107/0166
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
OHASHI, MASAHIRO

DOC DATE: 07/01/1999

ASSIGNOR:
AIZONO, TAKEIKI

DOC DATE: 07/01/1999

ASSIGNOR:
FUJII, DAI

DOC DATE: 07/01/1999

ASSIGNOR:
TANAKA, HIROYUKI

DOC DATE: 07/01/1999

ASSIGNOR:
KOGURE, MAKOTO

DOC DATE: 07/01/1999

ASSIGNEE:
HITACHI, LTD
6, KANDA SURUGADAI
4-CHOME, CHIYODA-KU
TOKYO 101-8010, JAPAN

010107/0166 PAGE 2

SERIAL NUMBER: 09353552
PATENT NUMBER:

FILING DATE: 07/14/1999
ISSUE DATE:

DIANE RUSSELE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Express Mail FL03975982605

Joint Assignment Form

ASSIGNMENT

WHEREAS, WE, Masahiro Ohashi, Takeiki Aizono, Dai Fujii,
Hiroyuki Tanaka & Makoto Kogure, citizens of
Japan, residing at Hitachi Wing 202, 11-1, Aoba-cho, Hitachinaka-shi, Ibaraki
312-0056, Japan; Berumazon Kakio 303, 432, Kamiasao, Asao-ku, Kawasaki-shi, Kanagawa
215-0021, Japan; Onuma-ryo 1503, 20-1, Higashikanesawa-cho 5-chome, Hitachi-shi,
Ibaraki 316-0014, Japan; 5-41, Midori-cho 3-chome, Mito-shi, Ibaraki 310-0034,
Japan & 397-3, Ichige, Hitachinaka-shi, Ibaraki 312-0033, Japan

respectively, have invented new and useful improvements in
DISTRIBUTED CONTROL SYSTEM AND
FILTERING METHOD USED IN THE DISTRIBUTED CONTROL SYSTEM,

for which we are about to make application for Letters Patent
of the United States, said application having been executed by us
on even date herewith; and

WHEREAS, Hitachi, Ltd.,
a Company of Japan, having its place of business at _____
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan,
(hereinafter referred to as the Assignee), is desirous of acquiring
the entire right, title and interest in and to the application
and the invention therein described and claimed and any Letters
Patent that may be issued upon the application or for the
improvements therein contained.

NOW, THEREFORE, for and in consideration of the
equivalent sum of One Dollar (\$1.00) to us in hand paid, the
receipt and sufficiency whereof is hereby acknowledged, we
have sold, assigned and transferred, and do hereby sell, assign
and transfer unto the Assignee, its successors and assigns, the
entire right, title and interest in and to the application and
the invention therein contained, including the right to apply
for any Letters Patent in the United States of America on the
invention, any any Letters Patent that may issue thereon or
therefor, in the United States, and all reissues, extensions,

renewals, divisions and continuations thereof, to the full end of the term or terms for which the Letters Patent may be issued, the same to be held and enjoyed by the Assignee, its successors and assigns, the same as it would have been held and enjoyed by us if this Assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time upon request communicate to the Assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any

interference or other litigation when requested so to do by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 1st day of July, 1999.

Masahiro Ohashi

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 1st day of July, 1999.

Takeki Sizon

WITNESSED BY:

Mari Yamagata

Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan

Address

WITNESSED BY:

Mari Yamagata

Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan

Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 1st day of July, 1999.

Dai Fujii

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 1st day of July, 1999.

Hiroyuki Tanaka

WITNESSED BY:

Mari Yamagata
Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan
Address

WITNESSED BY:

Mari Yamagata
Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan
Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 1st day of July, 1999.

Shirata Kogoro

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this _____ day of _____, 19 .

WITNESSED BY:

Mari Yamagata
Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan
Address

WITNESSED BY:

Name

Address